DirecTemp® USB Thermometer

DTU6035-001

Engineering Information:

- USB thermometer
- Operating temperature range: -40°C to 105°C
- #24 AWG leads
- Stainless steel 'birdcage' style housing
- Data logging and alert notification software included
- Multiple sensors supported
- Measures in Fahrenheit, Celsius and Kelvin
- Use as a plug-and-play Windows device or with custom software
- NIST traceable certification available
- Able to be recalibrated by QTI
- RoHS-compliant

Applications:

- Air temperature sensing
- Fast thermal response times

Series Information:

QTI's DTU6035-001 USB thermometer is ideal for measuring air temperature. The open-ended shape of the sensor helps to protect the sensing element while reducing thermal mass. QTI's micro-thermistor can be used as the sensing element for even faster response times.

DirecTemp® USB Thermometer Overview:

A high-precision thermistor is combined with a 14-bit analog to digital converter and a simple USB communication interface to capture real-time temperature data. The DirecTemp® device can communicate either as a Human Interface Device which auto installs to interface with the DirecTemp® data logging software, or as a virtual serial port with which custom or third party software may be used. DirecTemp® probes are calibrated in QTI's metrology laboratory and can be re-calibrated and returned to service for extended life. The absolute accuracy and repeatable precision of the DirecTemp® USB temperature acquisition system will become invaluable to your most critical application.

- Up to 0.1°C absolute accuracy
- Up to 0.01 resolution*
- Chooose probe style, cable length, and critical temperature point
- PC powered, no batteries
- Temperature range: -55°C to 150°C with proper probe selection
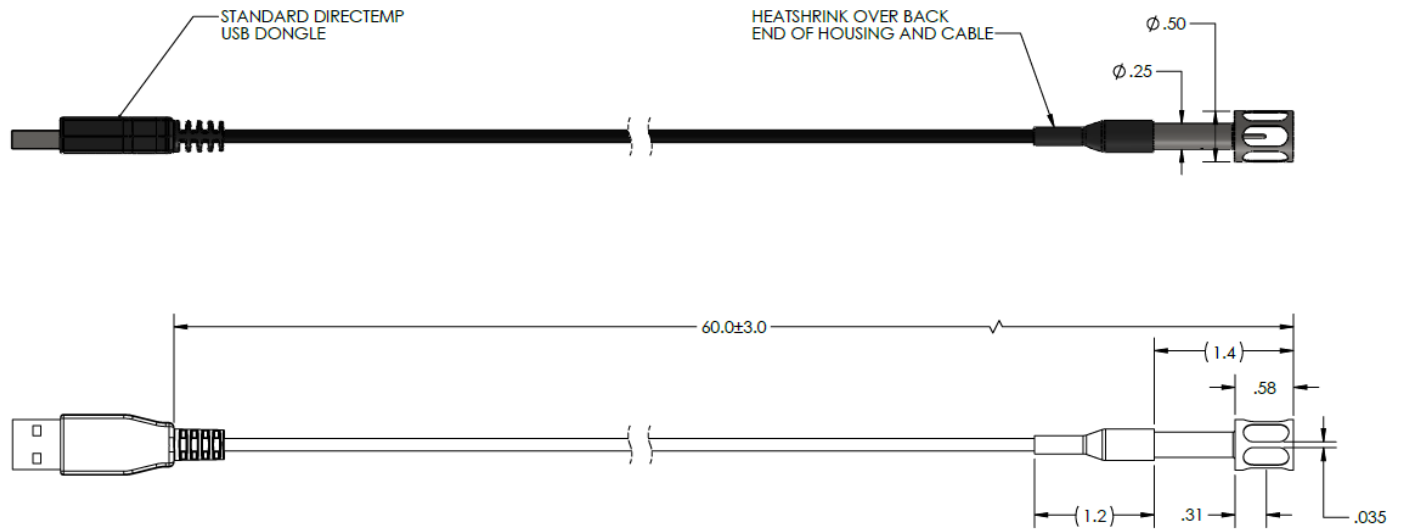- RoHS Compliant

*User specified single point temperature and tolerances available.
Warning: Do not use in human life support applications.
This device is not designed nor intended to operate in situations where human injury will result in the event of a failure.

DTU6035-001 Specifications

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QTI is the unparalleled leader in world-class temperature sensing technology with over for 40 years of proven expertise for the most demanding customers in the world. We custom-engineer the industry's most reliable temperature sensors for mission-critical applications. As a true business partner, we deliver beyond the products we make as we relentlessly pursue excellence in everything we do.

Contact us to discuss your temperature sensing needs today.